FIG.1

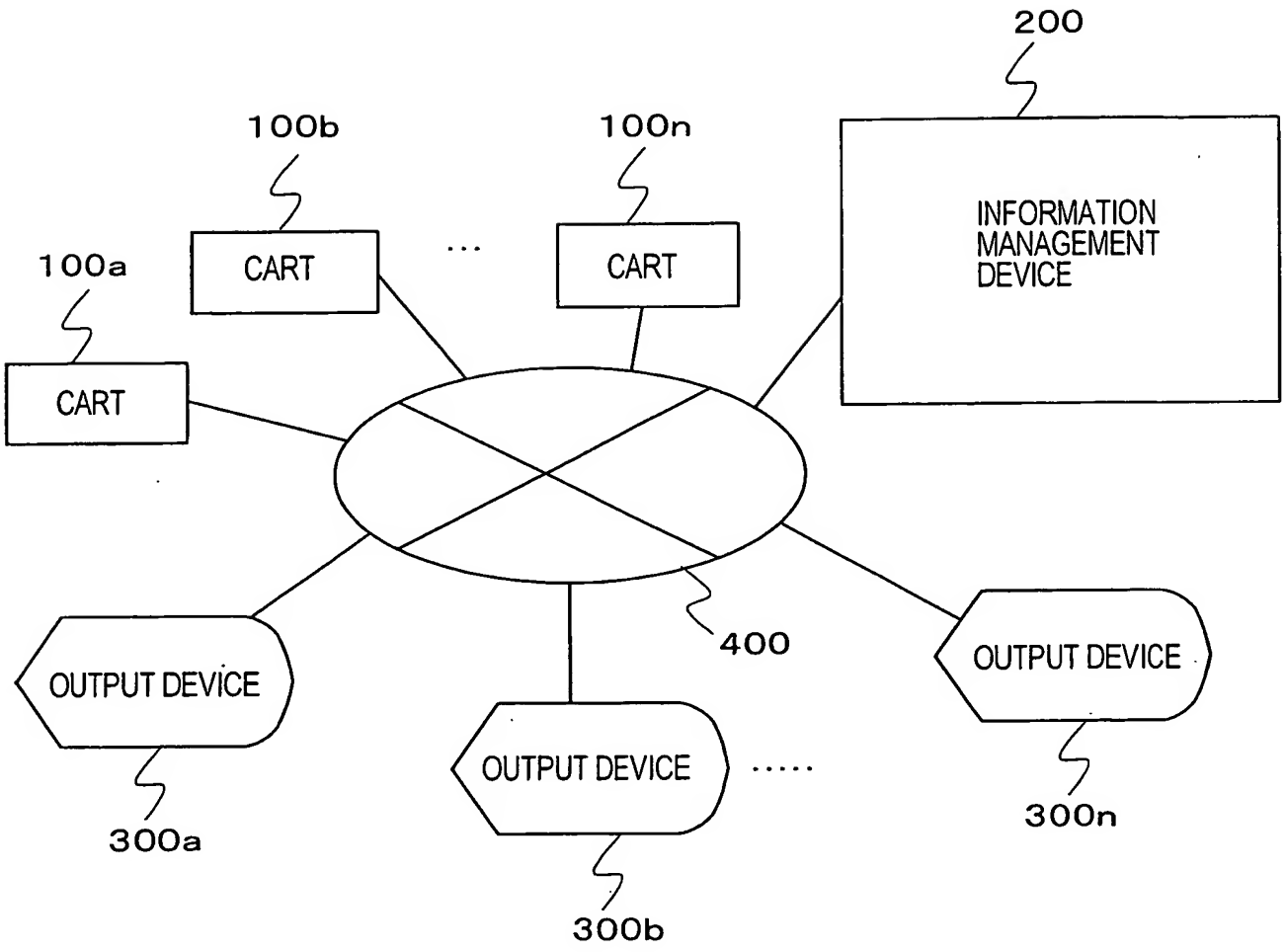
200
INFORMATION MANAGEMENT DEVICE
100b
100n
100a
CART
CART
CART
400
OUTPUT DEVICE
OUTPUT DEVICE
OUTPUT DEVICE
300a
300b
300n

FIG.2

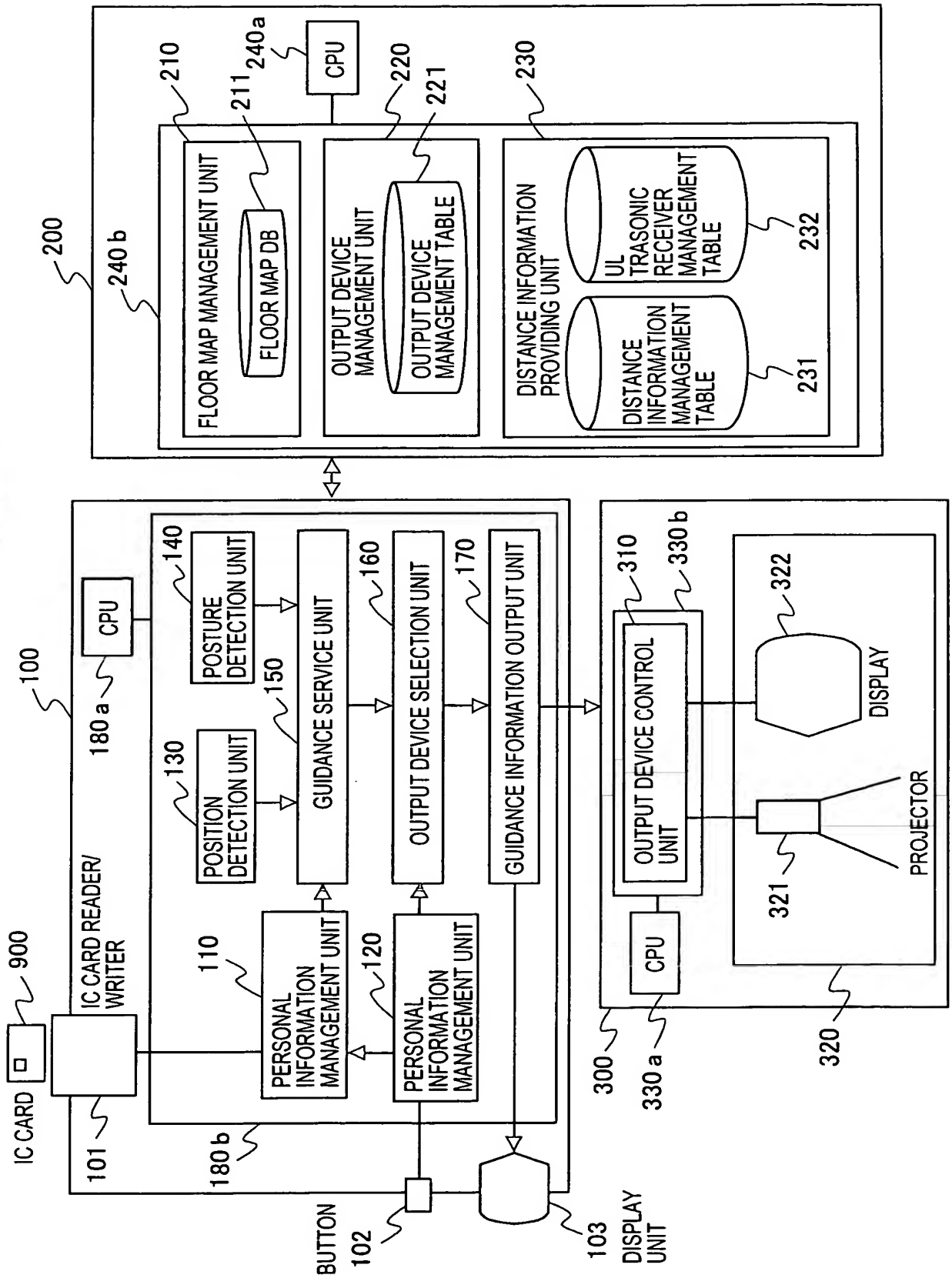
200
240 b
210
FLOOR MAP MANAGEMENT UNIT
211
FLOOR MAP DB
240 a
CPU
220
OUTPUT DEVICE MANAGEMENT UNIT
221
OUTPUT DEVICE MANAGEMENT TABLE
230
DISTANCE INFORMATION PROVIDING UNIT
DISTANCE INFORMATION MANAGEMENT TABLE
231
UL TRASONIC RECEIVER MANAGEMENT TABLE
232
100
CPU
180 a
IC CARD READER/ WRITER
IC CARD
900
101
180 b
BUTTON
102
DISPLAY UNIT
103
140
POSTURE DETECTION UNIT
130
POSITION DETECTION UNIT
150
GUIDANCE SERVICE UNIT
160
OUTPUT DEVICE SELECTION UNIT
170
GUIDANCE INFORMATION OUTPUT UNIT
110
PERSONAL INFORMATION MANAGEMENT UNIT
120
PERSONAL INFORMATION MANAGEMENT UNIT
300
310
330 b
OUTPUT DEVICE CONTROL UNIT
330 a
CPU
320
322
DISPLAY
321
PROJECTOR

FIG.3

DESTINATION	PROCESSED
RECEPTION DESK	×
EMBARKATION CHECK DESK	
BOARDING GATE	
・・・	

FIG.4

221

801 DEVICE ID	802 DEVICE TYPE	803 INSTALLATION STATE			804 USE STATE	805 SELECTED COLOR	806 IP ADDRESS
		X	Y	DIRECTION e			
1	DISPLAY	2000	2000	(0,1,0)	VACANT	—	201.152.13.1
2	PROJECTOR	3000	2000	(0,0,1)	VACANT	—	201.152.13.2
3	PROJECTOR	2000	3000	(1,0,0)	IN USE	YELLOW	201.152.13.3
...							

FIG.5

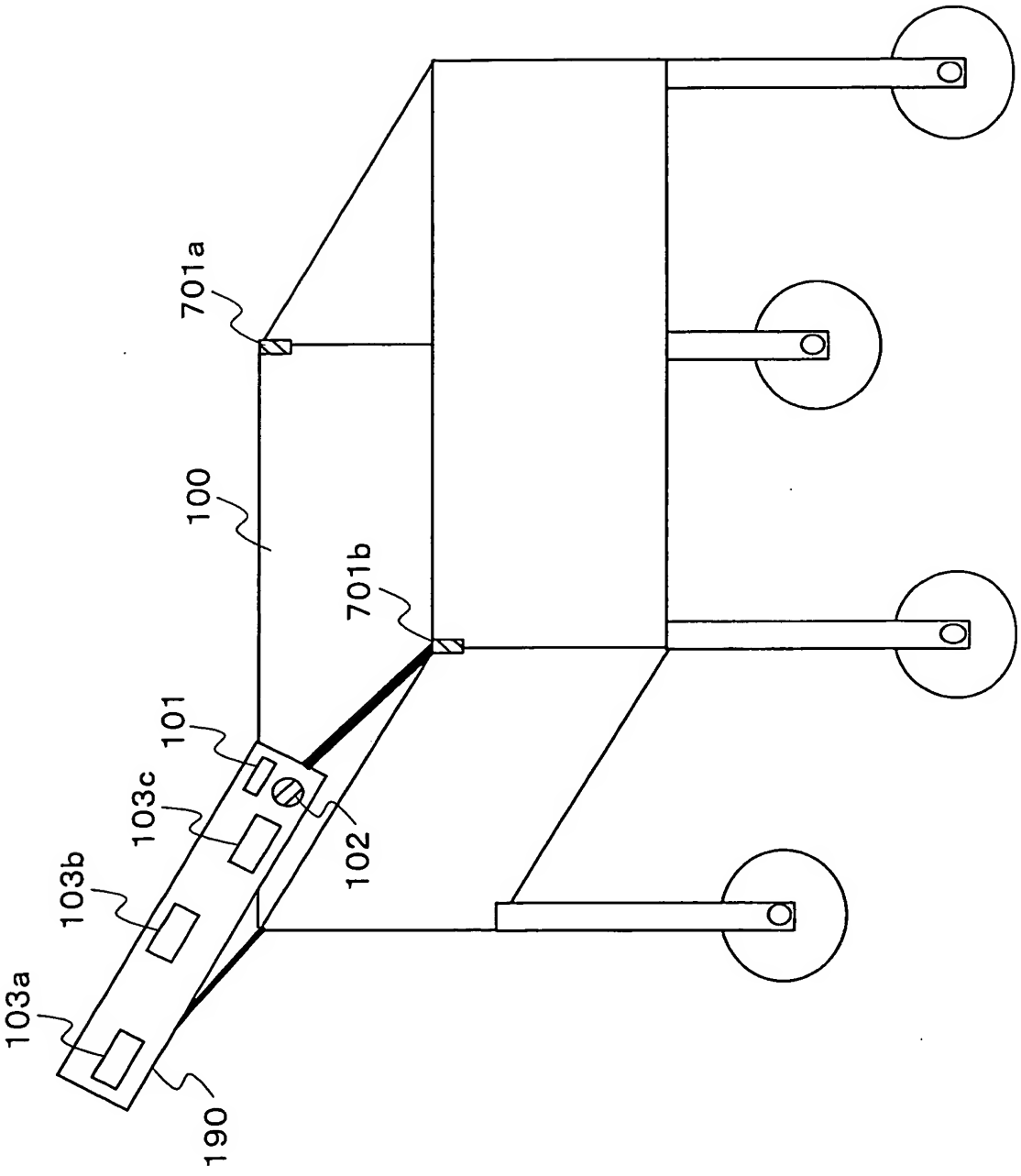

FIG.6

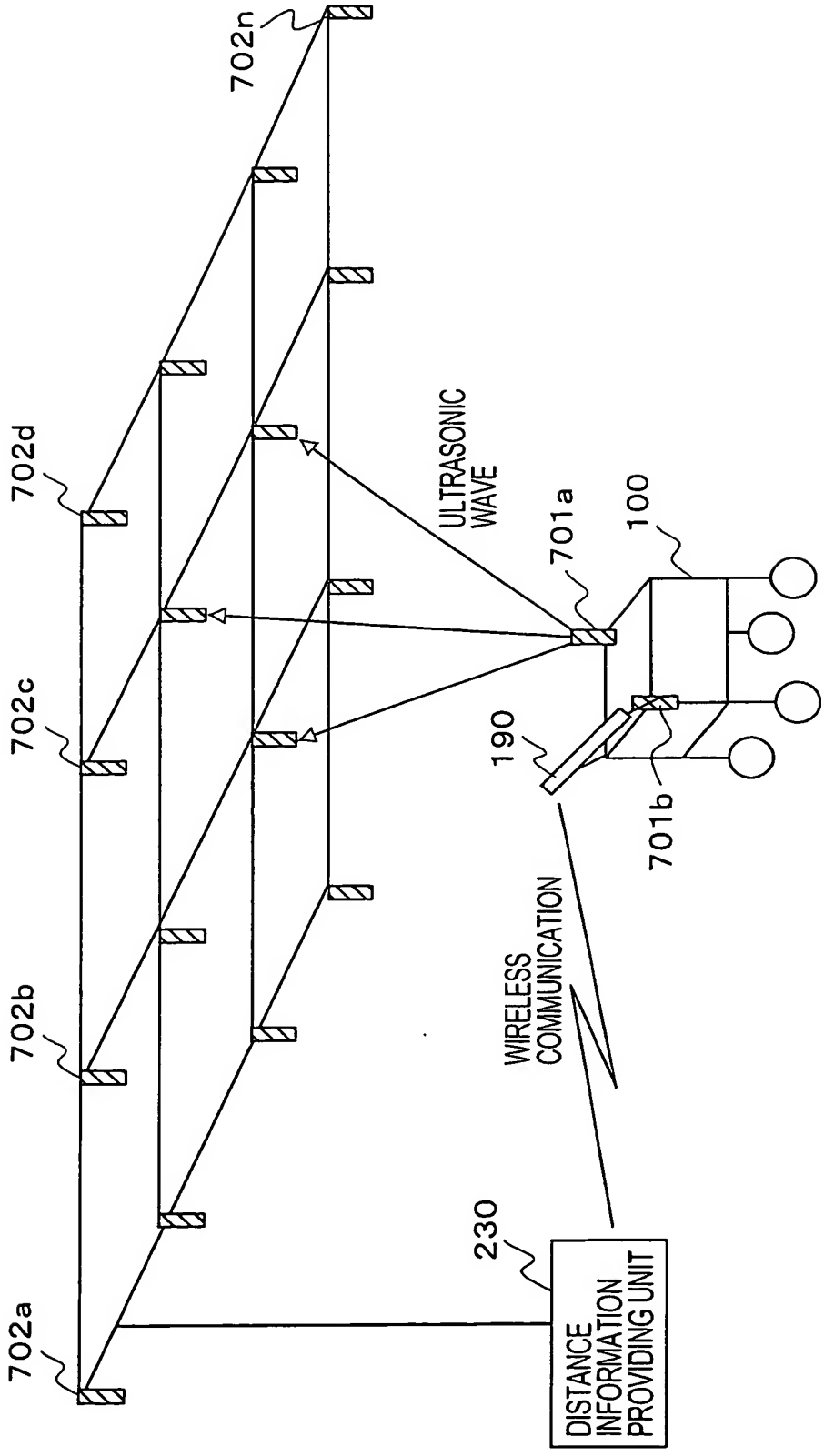
702n
702d
702c
702b
702a
ULTRASONIC WAVE
701a
100
190
701b
WIRELESS COMMUNICATION
230
DISTANCE INFORMATION PROVIDING UNIT

FIG.7

231

401 SERIAL NUMBER	402 OSCILLATOR ID	403 RECEIVER ID-A	404 MEASURED VALUE A	405 RECEIVER ID-B	406 MEASURED VALUE B	407 RECEIVER ID-C	408 MEASURED VALUE C
1	12345	23	6430	34	7100	24	7200
2	2468	17	5500	18	6450	35	6850
3	13579	18	4680	19	5890	42	7350
...	...	...	...	...	...	...	...

FIG.8

232

501 502

RECEIVER ID	POSITION		
	X	Y	Z
1	2000	2000	5000
2	3000	2000	5000
3	2000	3000	5000
...	...	...	...

FIG.9

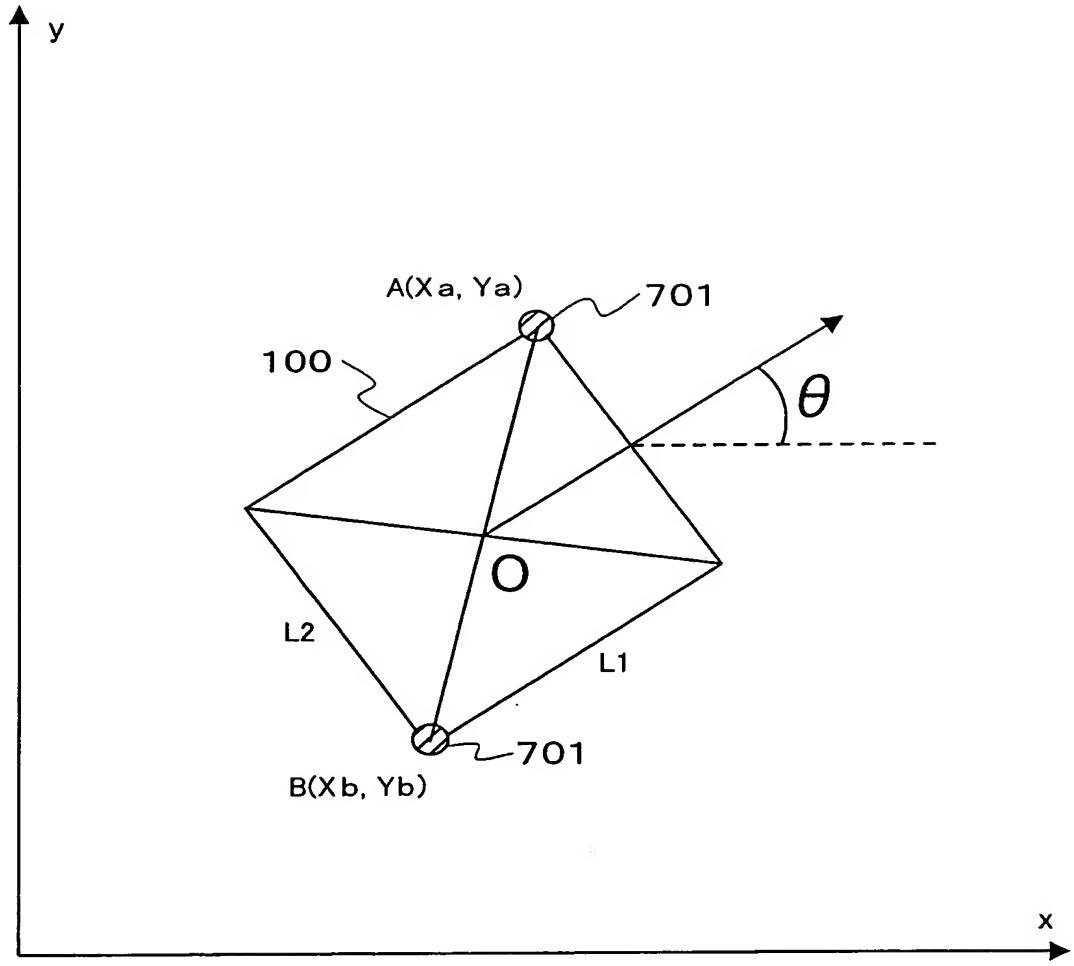

FIG.10

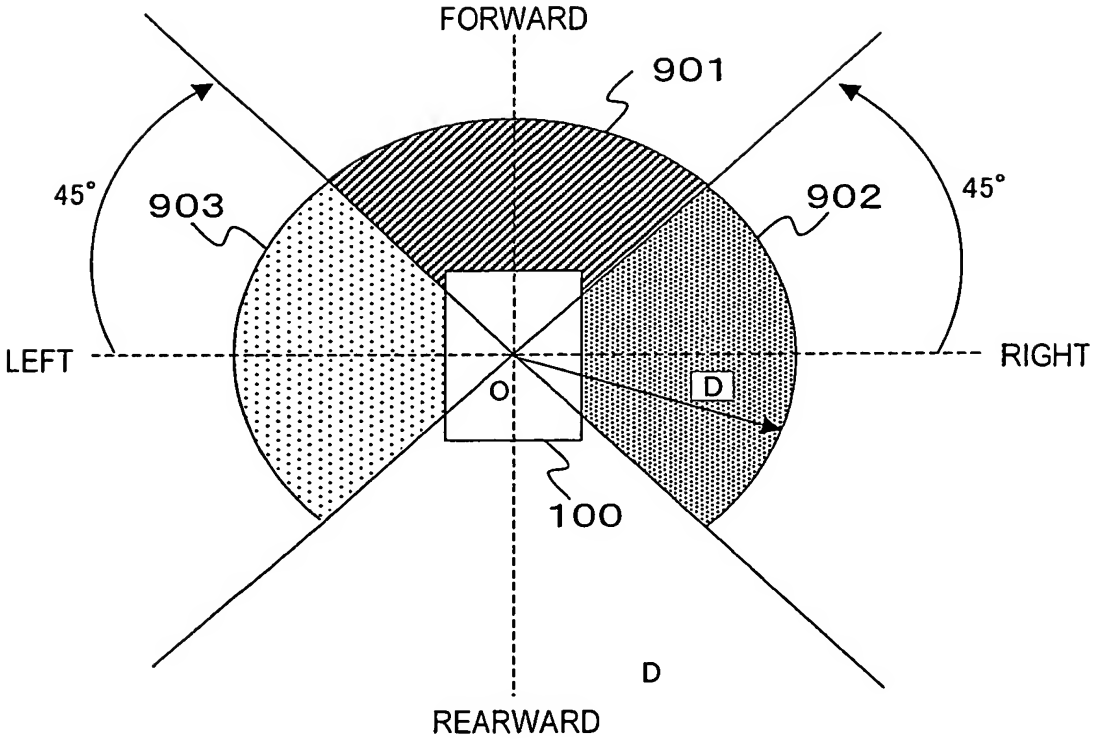

FIG.11

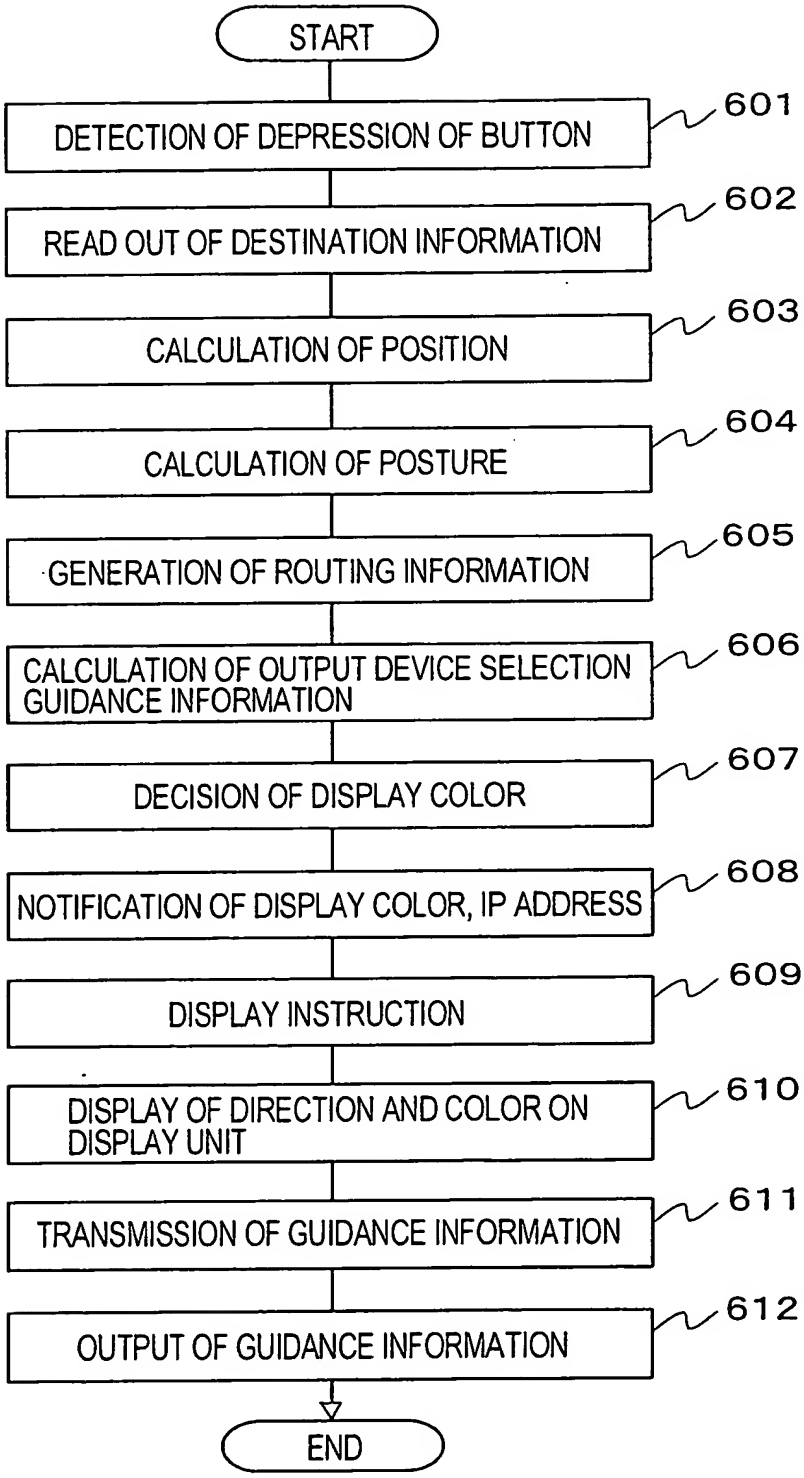
START
DETECTION OF DEPRESSION OF BUTTON
601
READ OUT OF DESTINATION INFORMATION
602
CALCULATION OF POSITION
603
CALCULATION OF POSTURE
604
GENERATION OF ROUTING INFORMATION
605
CALCULATION OF OUTPUT DEVICE SELECTION GUIDANCE INFORMATION
606
DECISION OF DISPLAY COLOR
607
NOTIFICATION OF DISPLAY COLOR, IP ADDRESS
608
DISPLAY INSTRUCTION
609
DISPLAY OF DIRECTION AND COLOR ON DISPLAY UNIT
610
TRANSMISSION OF GUIDANCE INFORMATION
611
OUTPUT OF GUIDANCE INFORMATION
612
END

FIG.12

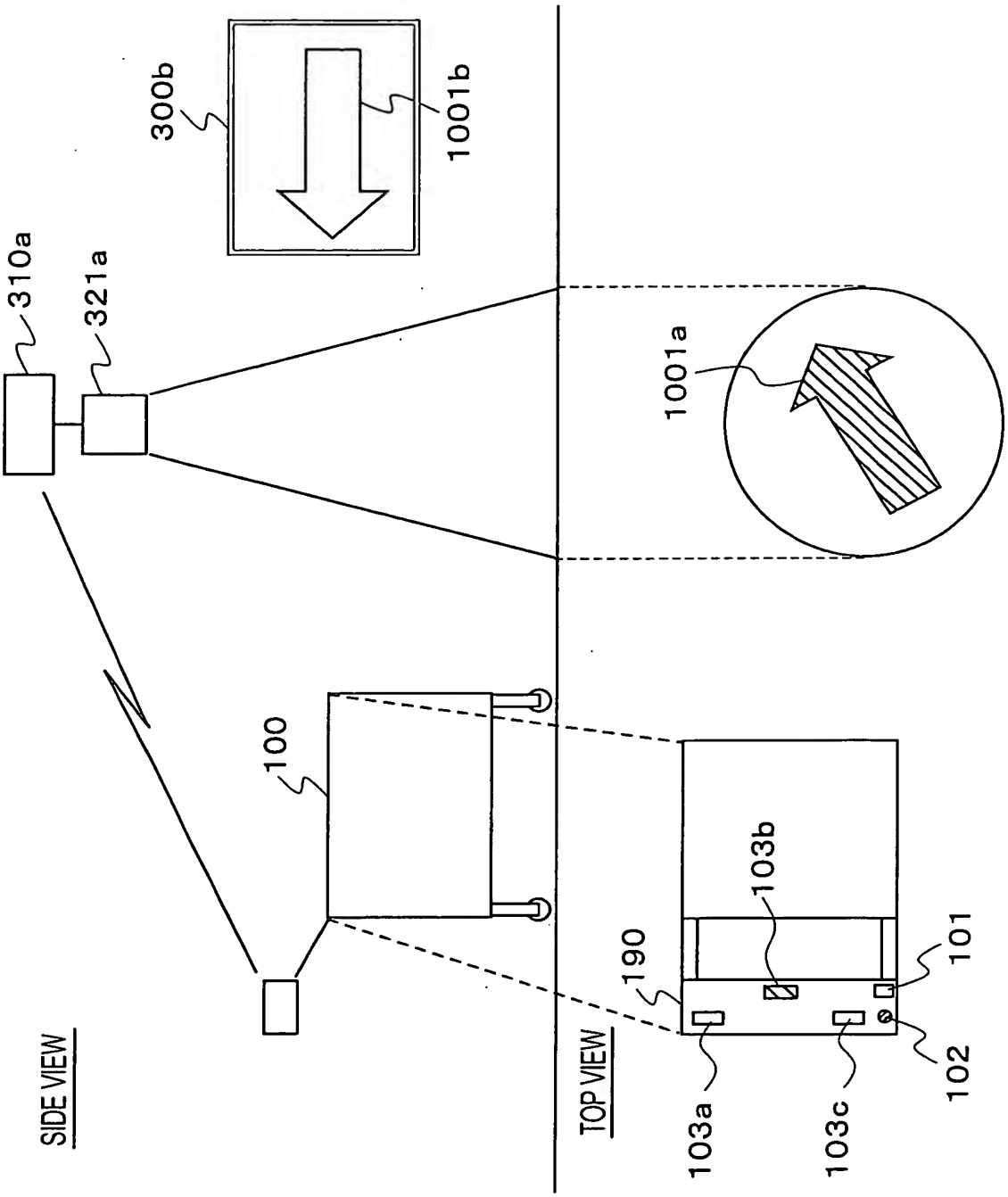
SIDE VIEW
TOP VIEW
310a
321a
300b
1001b
1001a
100
190
103a
103b
103c
101
102

FIG.13

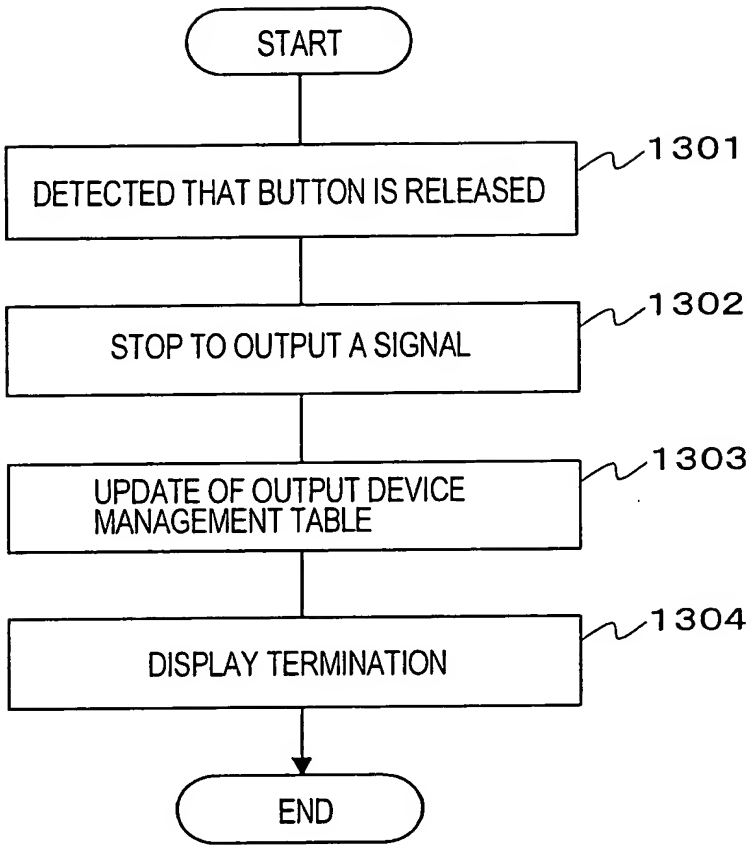
START
DETECTED THAT BUTTON IS RELEASED
1301
STOP TO OUTPUT A SIGNAL
1302
UPDATE OF OUTPUT DEVICE MANAGEMENT TABLE
1303
DISPLAY TERMINATION
1304
END

FIG.14

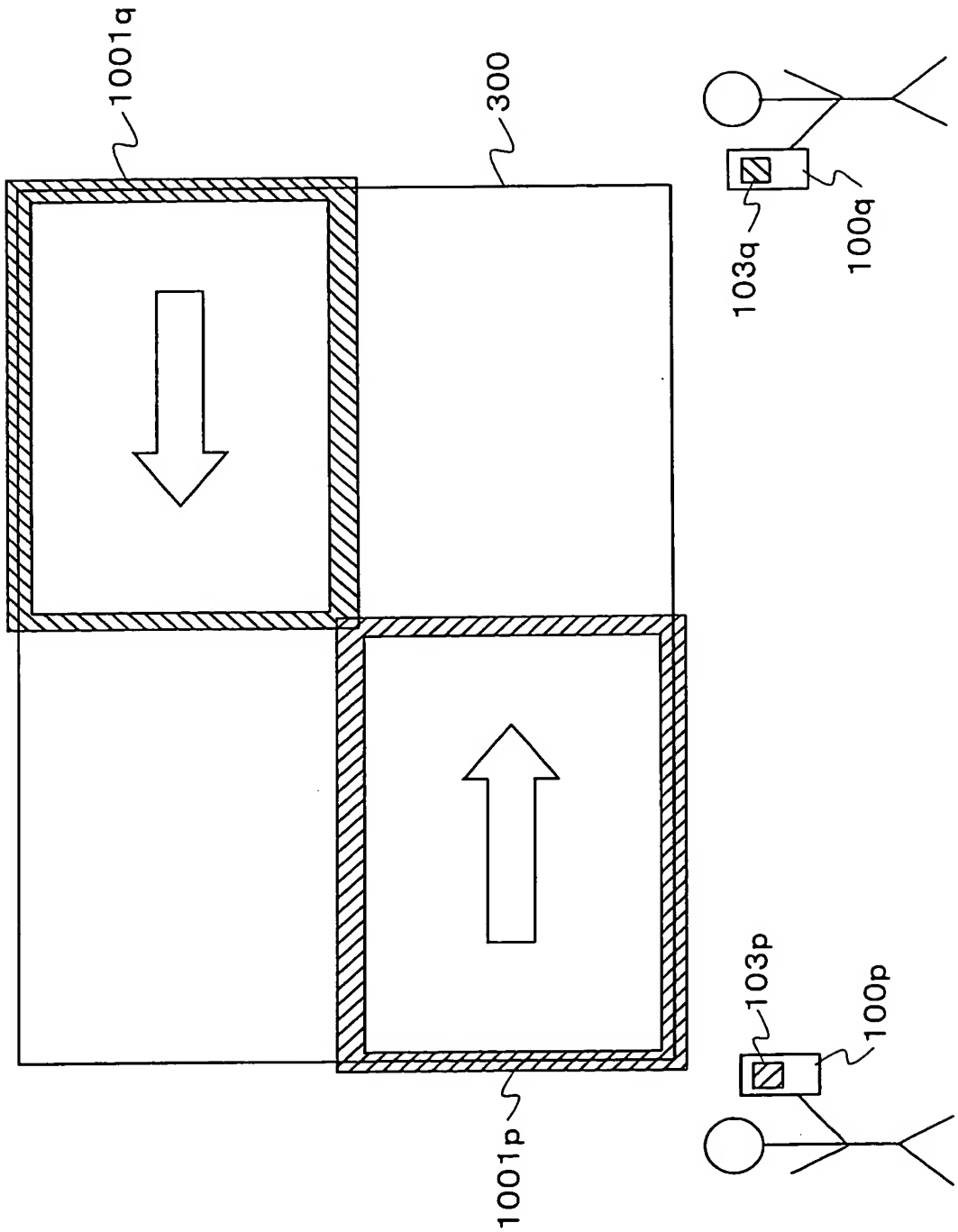
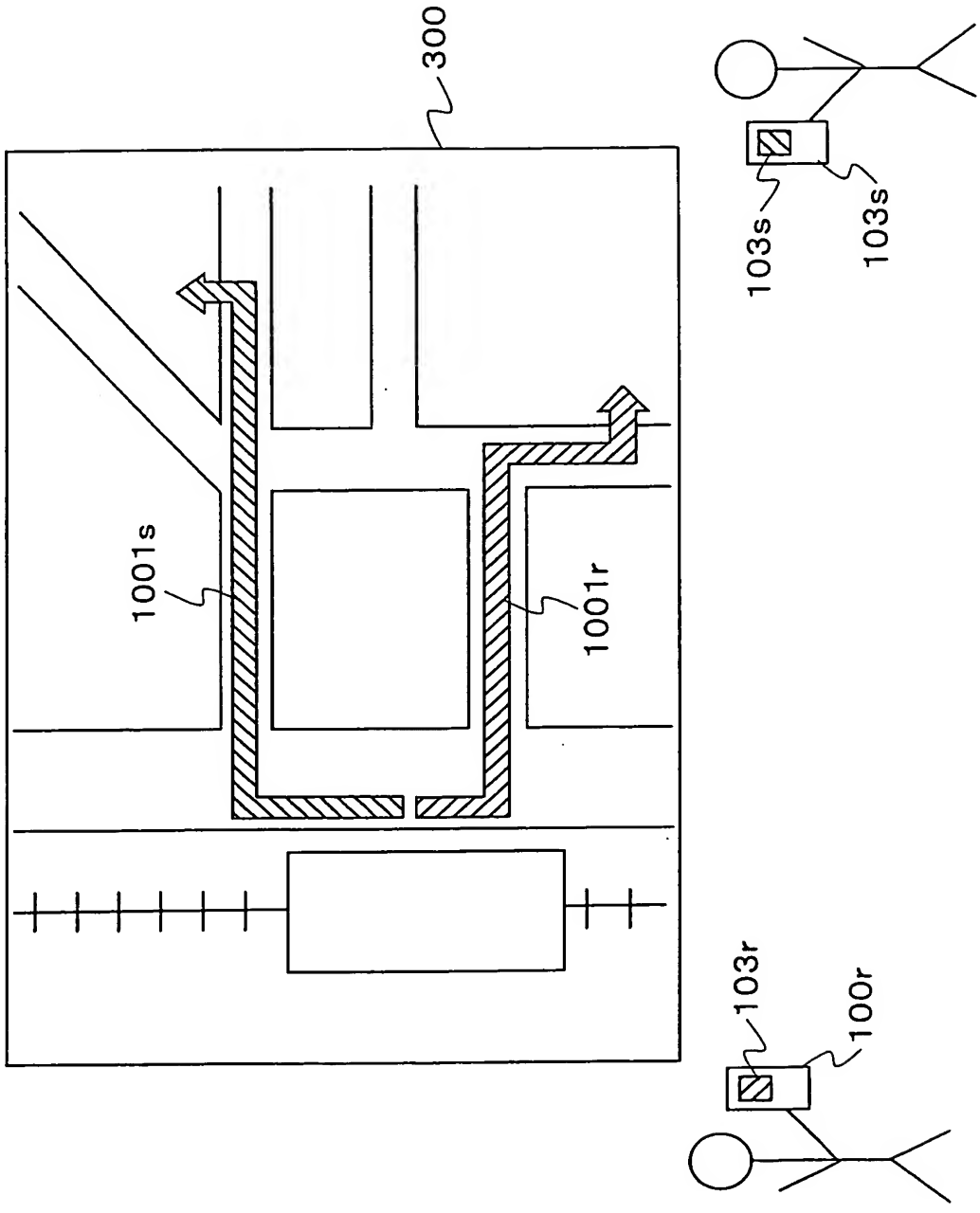
FIG.15